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AKC NP-Tr-335

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Kopan, V. S.

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AS A RESULT OF METAL DEFORMATION (Pro
Prirodu Termo-ye. r. s., Shcho Vinikae v Rezul'tati
Deformuvannya Metalu) tr. by M. Slade. [1960] [12]p.
(foreign text included) 15 refs. Trans. no. 4812.
Order from LC or SLA ml\$2.40, ph\$3.30 61-13955

Trans. of Ukrayins'kyy Fizychnyy Zhurnal (USSR)
1959, v. 4, no. 3, p. 293-298.

When metals are deformed both Thomson's and
Peltier's emf change substantially because of a
change in the electric resistance of the metals as a
result of origination of defects in the crystal lattice
(vacancies, dislocations, dislocated atoms, etc).
Since the thermal emf depends on the emf of
Thomson and of Peltier, the principal cause of origi-
nation of thermal emf in a couple: deformed -
undeformed metal is a change in the electric resist-
(Physics--Thermodynamics, TT, v. 5, no. 6) (over)

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1. Metals--Deformation
2. Metals--Electrical properties
3. Title: Electromotive force
- I. Hertzricken, S. D.
- II. Novikov, M. M.
- III. Kopan, V. S.
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DESCRIPTORS: Drugs, Inhibition, *Acetylcholine, *Nicotine, *Vasomotor drugs, Nervous system, Reaction (Psychology), *Morphine, Antihistaminics

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SLA 60-10716

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